

ROBERT P. McCULLOCH, PRESIDENT



McCULLOCH OIL CORPORATION OF CALIFORNIA

BUSINESS AND EXECUTIVE OFFICES: TWELFTH FLOOR, McCULLOCH BUILDING
6151 WEST CENTURY BOULEVARD • LOS ANGELES, CALIFORNIA 90045 • TELEPHONES: 776-1151 • 645-4280

924 Vaughn Building, Midland, Texas 79701

May 11, 1967

The State of Utah
Oil and Gas Conversation Commission
348 East South Temple
Suite 301
Salt Lake City, Utah

Re: McCulloch Oil Corporation of California
Federal No. 1-1, NW/4 SE/4 Section 1,
T-39-S, R-24-E, San Juan County, Utah

Gentlemen:

Enclosed please find U.S.G.S. forms 9-331-C, surveyor's plats, and a Designation of Operator from Continental Oil Company covering federal bonding requirements on the captioned well.

In compliance with Rule A-4 of the State of Utah's Conservation Commission's "General Rules and Regulations", we wish to designate the following agent as our representative:

C. T. Corporation System ✓
175 South Main Street
Salt Lake City, Utah

Yours very truly,


K. G. Cervenka

KGC/be

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER Wildcat

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

McCulloch Oil Corporation of California

3. ADDRESS OF OPERATOR

924 Vaughn Building, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface NW/4, SE/4 Sec. 1, T-39-S, R-24-E
2050' FSL and 2100' FEL of Sec. 1

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

27 miles SE Blanding, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

590

16. NO. OF ACRES IN LEASE

600

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

6050'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5100 GR Estimated

22. APPROX. DATE WORK WILL START*

on approval of permit

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	400	400 sx
11"	8 5/8"	24#	1400	350 sx
7 7/8"	5 1/2"	15.5#	6050	200 sx

1. Drill 17 1/2" surface hole to 400', run 13 3/8" casing & cement with 160 sx to circulate cement.
2. Drill 11" hole to 1400', if no water flow encountered reduce hole to 7 7/8" and drill to TD. If water is encountered run 8 5/8" casing to 1400' and cement with 350 sx.
3. Drill to TD of 6050' with 7 7/8" hole, if commercial production is indicated, run 5 1/2" casing thru productive zone and cement with 200 sx.
4. Estimated Tops:

Navajo	875'	
Wingate	1380'	
Chinle	1890'	
Shinarump	2625'	Lower Ismay
De Chelly	2889'	Desert Creek
Cedar Mesa	3735'	Lower Desert Creek
Hermosa	4725'	
Upper Ismay	5700'	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Engineer

DATE

5/11/67

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

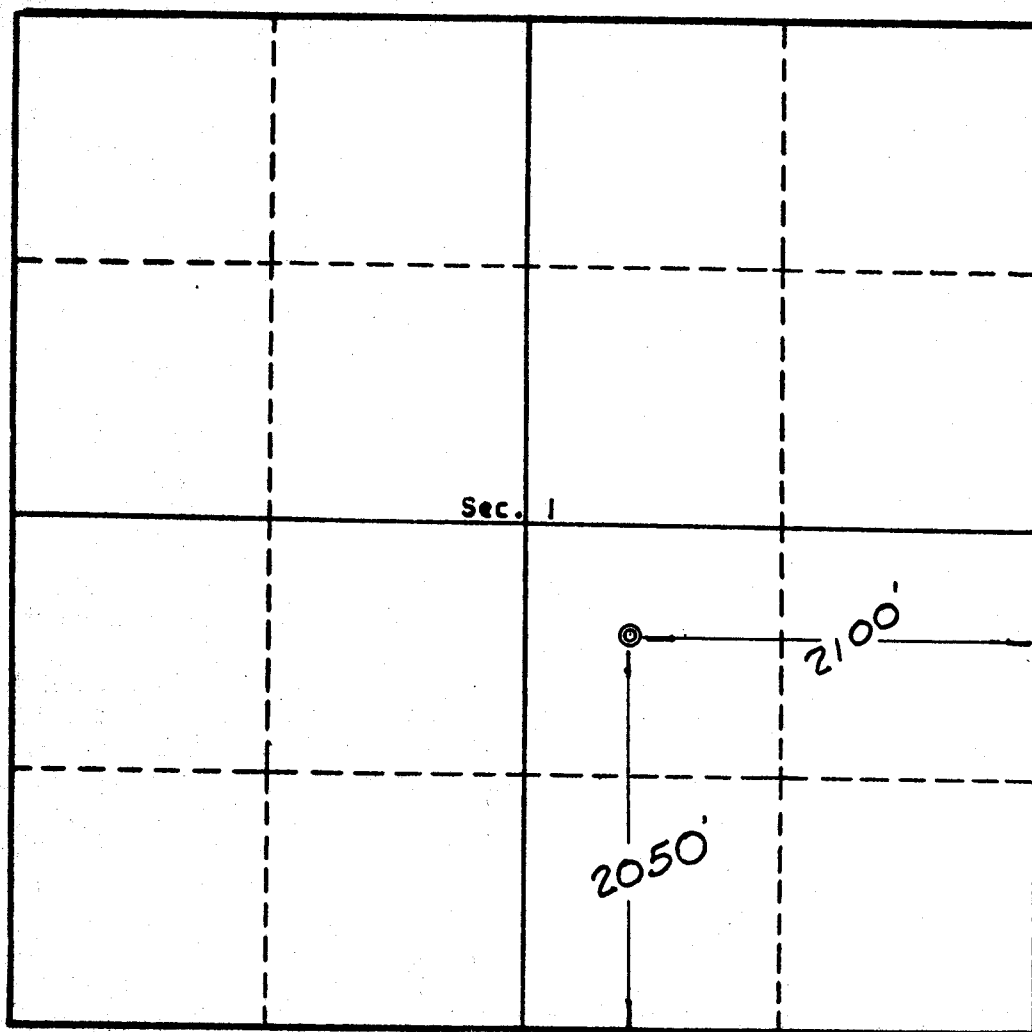
Company McCULLOCH OIL CORPORATION OF CALIFORNIA

Well Name & No. Federal 1-1

Location 2050 feet from the South line and 2100 feet from the East line.

Sec. 1, T. 39 S., R. 24 E., S. L. M., County San Juan, Utah

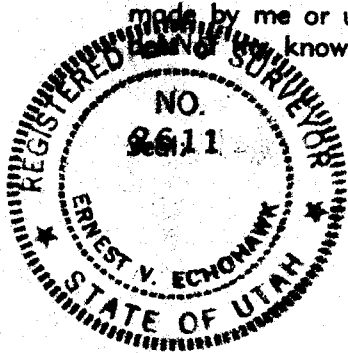
Ground Elevation 5100 Estimated (Elevation being Run)



Scale, 1 inch = 1,000 feet

Surveyed April 30, 1967

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



E. V. Echohawk

Ernest V. Echohawk
Registered Land Surveyor
Utah Registration No. 2611

Contract No. 16326

Lease No. 168497

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah

SERIAL No.: Utah 0110612-A

and hereby designates

NAME: McCulloch Oil Corporation of California
ADDRESS: 6151 West Century Boulevard
Los Angeles, California

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 39 South, Range 24 East, SLM

Section 1: NW $\frac{1}{4}$ SE $\frac{1}{4}$

San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

CONTINENTAL OIL COMPANY

By: *Nancy M. Dawson*
(Signature of lessee) Attorney in Fact *209*

1755 Glenarm Place

Denver, Colorado

(Address)

May 10, 1967

(Date)

May 18, 1967

McCulloch Oil Corporation of California,
924 Vaughn Building,
Midland, Texas 79701

Re: Well No. Federal #1-1,
Sec. 1, T. 39 S., R. 24 E.,
San Juan County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
HOME: 277-2890 - Salt Lake City, Utah
OFFICE: 328-5771 - 328-5772 - 328-5773

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGCC-S-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your cooperation with respect to completing this form will be greatly appreciated.

McCulloch Oil Corporation of California

May 18, 1967

-2-

The API number assigned to this well is 43-037-20232 (see Bulletin D12 the American Petroleum Institute).

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:sc

cc: Rodney Smith, District Engineer
U. S. Geological Survey
8416 Federal Building
Salt Lake City, Utah

Shannon
OK
Best Bless - Running logs now -
(Well plug well similar to other nearby well
McCulloch Oil Corp of Calif.

1-1 Feb

well 395 24E

San Juan Co.

Larry Long:

Cover any ϕ from logs in Hermosa
& Paradise - 50' above

100' plug Hermosa

100 Schelly

100 Chertili

100 Navajo

50' plug @ 13 $\frac{5}{8}$ Canyon (1/2 in 1/2 in)

10 sh / at surface / marker

OK
JMB
6/19/67

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Dry Hole		2. NAME OF OPERATOR McGulloch Oil Corporation of California	3. ADDRESS OF OPERATOR 924 Vaughn Building, Midland, Texas 79701	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below At surface 2050' FSL and 2100' FEL of Section 1, T-39-S, R-24-E San Juan County, Utah	14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5175 Gr. 5186 KB

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>

(NOTE: Report results of multiple completion, well completion or recompleting, repair and log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all major zones pertinent to this work.)*

Verbal approval to plug and abandon given by U.S.G.S. with plug being proposed as follows:

1. Fill hole with drilling mud.
2. Set 22 sack cement plug 5010-4910
3. Set 22 sack cement plug 3195-3095
4. Set 22 sack cement plug 2080-1918
5. Set 22 sack cement plug 1295-1195
6. Set 22 sack cement plug 470-420
7. 10 sack at surface with dry hole marker.

Log tops: Desert Green 6169'; Upper Ismay 5960'; Hermosa 4880'; Beckhorn 1245'; Chinle 2035'; Navajo 1245'; and 13 3/8" surface sandstone at 4000'.

18. I hereby certify that the foregoing is true and correct

SIGNED *[Signature]* TITLE Engineer DATE 12/26/67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRI-STATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry Hole	5. LEASE DESIGNATION AND SERIAL NO. 0-0110612-A
2. NAME OF OPERATOR MCCULLOCH OIL CORPORATION OF CALIFORNIA	6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
3. ADDRESS OF OPERATOR 924 Vaughn Building, Midland, Texas 79701	7. UNIT AGREEMENT NAME ---
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2050' FSL & 2100' FSL of Section 1, T-39-S, R-24-E, San Juan County, Utah.	8. FARM OR LEASE NAME Federal
14. PERMIT NO.	9. WELL NO. 1-1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5175' GR 5186' KB	10. FIELD AND POOL, OR WILDCAT Wildcat
	11. SEC. T. R. M., OR BLK. AND SURVEY OR AREA Sec. 1, T-39-S, R-24-E, SJM
	12. COUNTY OR PARISH San Juan
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

**This well was plugged and abandoned at 8:00 p.m., 6/20/67.
The hole was loaded with 9.3% per gallon mud and cement plugs were spotted as follows:**

22 sacks cement	4910-5010'
22 sacks cement	3093-3193'
22 sacks cement	1910-2080'
22 sacks cement	420-470'

**10 sacks cement in top of surface and erected dry hole marker.
Pits filled and location cleaned 6-28-67 through 7-1-67.**

Location ready for inspection.

18. I hereby certify that the foregoing is true and correct

SIGNED

Earl Brown

TITLE

District Manager

DATE

7-10-67

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

November 24, 1967

McCulloch Oil Corporation
924 Vaughn Building
Midland, Texas

Re: Well No. Federal #1-1
Sec. 1, T. 39 S., R. 24 E.,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" and electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms OGC-3, "Well Completion or Recompletion Report and Log", in duplicate and forward them to this office as soon as possible. If electric and/or radioactivity logs were not run, please make a statement to that effect in order to keep our records accurate and complete.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

KATHY H. DUGDALE
SECRETARY

:khd

Encl: Forms OGC-3

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-0110612-A	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR McCulloch Oil Corporation of California				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 924 Vaughn Building, Midland, Texas 79701				8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2050' FSL and 2100' FEL of Sec. 1, T-39-S, R-24-E San Juan County, Utah At top prod. interval reported below none At total depth no directional survey run				9. WELL NO. 1-1	
14. PERMIT NO.				DATE ISSUED	
15. DATE SPUDDED 5/30/67				16. DATE T.D. REACHED 6/19/67	
17. DATE COMPL. (Ready to prod.) 6/20/67 P&A				18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5175' GL 5186' KB	
19. ELEV. CASINGHEAD 5175				10. FIELD AND POOL, OR WILDCAT Wildcat	
20. TOTAL DEPTH, MD & TVD 6290' KB at surface				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 1, T-39-S, R-24-E SLM	
21. PLUG, BACK T.D., MD & TVD				22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY all				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* none	
25. WAS DIRECTIONAL SURVEY MADE				26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger BHC-Sonic-Gamma Ray w/Caliper & Dual Induction Lateral Log	
27. WAS WELL CORED no				28. CASING RECORD (Report all strings set in well)	
CASING SIZE 13 3/8"		WEIGHT, LB./FT. 48		DEPTH SET (MD) 445.5 KB	
HOLE SIZE 17 1/2		CEMENTING RECORD 400 sx regular + 4% gel & 2% Calcium Chloride & 50 sx regular w/2% calcium chloride cement circulated		AMOUNT PULLED none	
29. LINER RECORD				30. TUBING RECORD	
SIZE none		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)		SIZE	
DEPTH SET (MD)		PACKER SET (MD)		SIZE	
31. PERFORATION RECORD (Interval, size and number) none				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD) none				AMOUNT AND KIND OF MATERIAL USED	
33.* PRODUCTION				DATE FIRST PRODUCTION D&A	
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
WATER—BBL.		GAS-OIL RATIO		FLOW. TUBING PRESS.	
CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WITNESSED BY	
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>E. B. B. B.</u>		TITLE <u>Dist. Mgr.</u>		DATE <u>11/28/67</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
No cores or drill stem tests taken				Entrada	1088	
				Navajo	1245	
				Wingate	1745	
				Chinle	2035	
				Shinarump	2892	
				Moenkope	2950	
				DeChelly	3145	
				Organ Rock	3173	
				Hermosa	4959	
				Upper Ismay	5960	
			Desert Creek	6169		
			TD	6290		

NOV 29 1967

Sharon
8/24

FORM OGCC-8-X
FILE IN QUADRUPLICATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal #1-1

Operator McCulloch Oil Corp. of Calif. Address 924 Vaughn Bldg. Phone MU 2-4336

Midland, Texas

Contractor Brinkerhoff Drilling Co. Address Denver, Colorado Phone _____

Location NW 1/4 SW 1/4 Sec. 1 T. 39 N R. 24 E San Juan County, Utah.
S XX

Water Sands: No Surface water flows were encountered or observed while drilling this well. ✓

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continued on reverse side if necessary)

Formation Tops: Entrada - 1088'; Navajo Sand - 1245'; Wingate - 1745'; Chinele-2035';
Shinarump - 2892'; Moenkopi - 2950'; DeChelly - 3145'; Hermosa - 4959';
Upper Ismay - 5960'; Desert Creek - 6169'; TD - 6290'.

Remarks:

- NOTE:
- (a) Upon diminishing supply of forms, please inform the Commission,
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form).
 - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.